

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 February 2005 (24.02.2005)

PCT

(10) International Publication Number
WO 2005/017363 A1

(51) International Patent Classification⁷: **F04D 17/08**,
29/28, 29/62, F25D 17/06

HAGA, Thomas [NO/NO]; Holtevn. 21, N-1410 Kolbotn (NO).

(21) International Application Number:
PCT/NO2004/000231

(74) Agents: **ONSAGERS AS** et al.; P.O.Box 6963 St. Olavs plass, N-0130 Oslo (NO).

(22) International Filing Date: 29 July 2004 (29.07.2004)

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: Norwegian

(26) Publication Language: English

(30) Priority Data:
2003 3427 31 July 2003 (31.07.2003) NO

(71) Applicant (*for all designated States except US*): **SILENTUM AB** [SE/SE]; Stena Center 1B, S-412 92 Göteborg (SE).

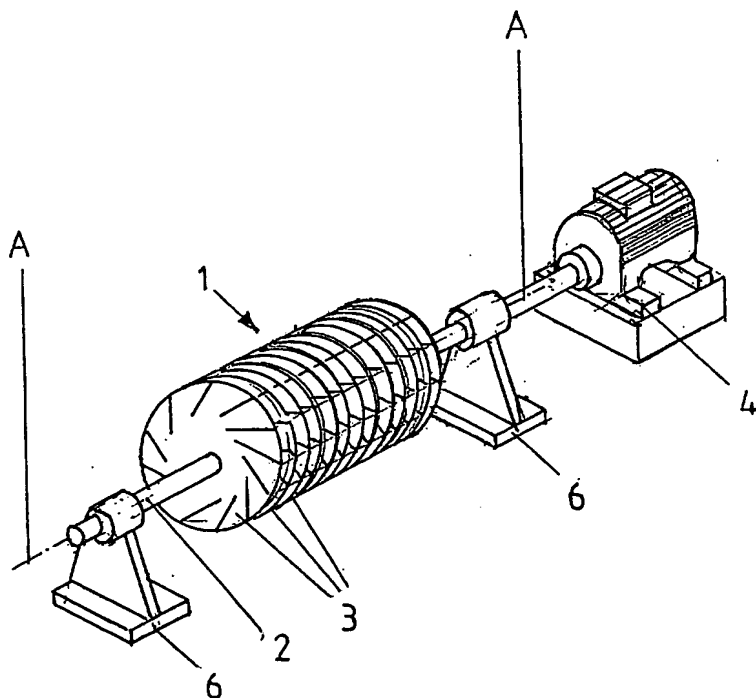
(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **HAGA, Johan** [NO/NO]; Holtevn. 21, N-1410 Kolbotn (NO). **HAGA, Nils** [NO/NO]; Kappvn. 5, N-1415 Oppegård (NO).

[Continued on next page]

(54) Title: A DEVICE COMPRISING A SHAFT WITH A PLURALITY OF FAN BODIES PROVIDED THERETO AND A METHOD FOR MOUNTING THE DEVICE AS WELL AS A USE OF THE DEVICE



(57) Abstract: A device for obtaining circulation of air, a method for mounting the device and a use of the device. For a number of applications there is a need for a cold or warm curtain of air, for example to ensure adequate chilling of food products in a refrigerated/freezer counter. It is an object of the present invention to provide a fan which can be adapted to the individual site regarding fluid curtain length/width by varying the length of the shaft and the number of fan bodies on the shaft.

WO 2005/017363 A1

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*
- *of inventorship (Rule 4.17(iv)) for US only*

Published:

- *with international search report*

- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.